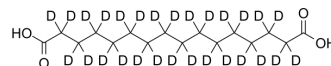


## Hexadecanedioic acid-d28

Cat. No.:	HY-W018161S
CAS No.:	130348-90-2
Molecular Formula:	C <sub>16</sub> H <sub>2</sub> D <sub>28</sub> O <sub>4</sub>
Molecular Weight:	314.58
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Hexadecanedioic acid-d28 is the deuterium labeled Hexadecanedioic acid. Hexadecanedioic acid is covalently linked to Sepharose 4B, shows better performance in terms of specificity than dye-based resins and could be used for depletion of SA from plasma samples.
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Soskic V, et al. Hexadecanedioic acid-sepharose 4B: A new tool for preparation of albumin-depleted plasma. *J Proteome Res.* 2006 Dec;5(12):3453-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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